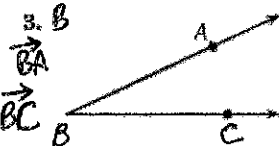


NAMING ANGLES AND ANGLE PARTS In Exercises 3-5, write three names for the angle shown. Then name the vertex and sides of the angle.

$\angle B$
 $\angle ABC$
 $\angle CBA$



$\angle Q$
 $\angle NQT$
 $\angle TQN$

$\angle Q$
 $\angle QT$
 $\angle ON$

6. **NAMING ANGLES** Name three different angles in the diagram at the right.

$\angle SRT$ $\angle SRQ$ $\angle QRT$



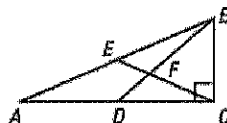
CLASSIFYING ANGLES Classify the angle with the given measure as *acute*, *obtuse*, *right*, or *straight*.

7. $m\angle W = 180^\circ$ S 8. $m\angle X = 30^\circ$ A 9. $m\angle Y = 90^\circ$ R 10. $m\angle Z = 95^\circ$ O

NAMING AND CLASSIFYING Give another name for the angle in the diagram below. Tell whether the angle appears to be *acute*, *obtuse*, *right*, or *straight*.

$\angle BCA$ R
 $\angle OFB$ S
 $\angle AB$ A

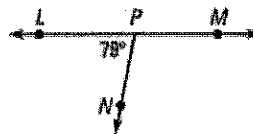
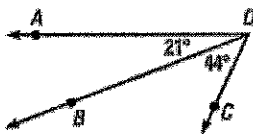
15. $\angle ACB$ 16. $\angle ABC$ $\angle CBA$ A
 17. $\angle BFD$ 18. $\angle AEC$ $\angle CEA$ O
 19. $\angle BDC$ 20. $\angle BEC$ $\angle CEB$ A



ANGLE ADDITION POSTULATE Find the indicated angle measure.

23. $m\angle ADC = 165$

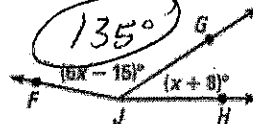
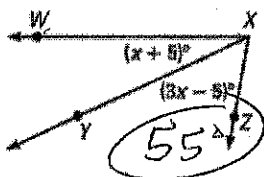
24. $m\angle NPM = 101$ 186
 -79



ALGEBRA Use the given information to find the indicated angle measure.

25. Given $m\angle WXZ = 80^\circ$, find $m\angle YXZ$.

26. Given $m\angle FJH = 168^\circ$, find $m\angle FJG$.

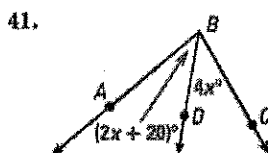
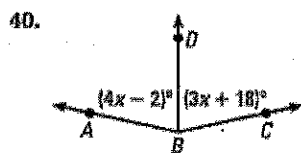


$7x - 7 = 168$

$7x = 175$

$x = 25$

ALGEBRA In each diagram, \overline{BD} bisects $\angle ABC$. Find $m\angle ABC$.



$4x - 2 = 3x + 18$

$x = 20$

78
 $x = 2$
 156

$2x + 20 = 4x$

$20 = 2x$

$10 = x$

80